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immobilized on a solid support , wherein the proximity probes are comprised of a binding moiety and thereto coupled nucleic acids;

b) allowing the binding moiety to bind to the one or more analytes other than by Watson-Crick base pairing, and allowing the nucleic acids to interact with each other if they are in close proximity to each other, and

c) detection of the degree of interaction between the nucleic acids .

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4. (Amended) A method according to claim 1, wherein the one or more analytes are selected from the group consisting of proteins, protein aggregates, prions and nucleic acids.

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6. (Amended) A method according to claim 1, wherein the binding moieties are antibodies and said antibodies each bind to the one or more analytes via a further antibody having binding specificity for the one or more analytes analyte(s), and wherein the binding moieties are directed against the Fc portion of the further antibody.

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14. (Thrice Amended) A method according to claim 1, wherein the first proximity probe is comprised of purified analyte coupled to an oligonucleotide and the second proximity probe is comprised of a binding moiety specific for the